CLAIMS

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WHAT IS CLAIMED IS:

- 1. A wafer comprising:
- a first surface:
- a second surface;
 - a first scribe line coupled to said first surface, said first scribe line extending in a first direction;
 - a second scribe line coupled to said first surface, said second scribe line extending in a second direction perpendicular to said first direction; and

a first alignment mark formed at an intersection of said first scribe line and said second scribe line, said first alignment mark extending from said first surface to said second surface.

- The wafer of Claim 1 further comprising a scribe grid comprising said first scribe line and said second scribe line.
- 3. The wafer of Claim 2 further comprising electronic components delineated by said scribe grid.
- 4. The wafer of Claim 3 wherein said electronic components are selected from the group consisting of integrated circuits, micromachine chips and image sensor chips.
- 5. The wafer of Claim 3 wherein said electronic components comprise bond pads coupled to said first surface.
 - The wafer of Claim 3 wherein said electronic components comprise active areas coupled to said first surface.
 - 7. The wafer of Claim 1 further comprising a flat extending in said second direction.

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- 8. The wafer of Claim 1 wherein said first scribe line delineates a first electronic component from a second electronic component.
- 5 9. The wafer of Claim 8 wherein said second scribe line delineates said second electronic component from a third electronic component.
- $$10\,.$$ The wafer of Claim 1 wherein said first $$10\,.$$ alignment mark is an aperture.
 - 11. The wafer of Claim 1 further comprising a first plurality of alignment marks comprising said first alignment mark, said first plurality of alignment marks extending from said first surface to said second surface.
 - 12. The wafer of Claim 11 wherein said first plurality of alignment marks are aligned with said first scribe line.
 - 13. The wafer of Claim 12 further comprising a second plurality of alignment marks aligned with a third scribe line coupled to said first surface and extending in said second direction.
 - 14. The wafer of Claim 11 wherein said first plurality of alignment marks define a first line, said first line being aligned with said first scribe line.
- 30 15. The wafer of Claim 14 further comprising a second plurality of alignment marks defining a second line, said second line being aligned with a third scribe line coupled to said first surface and extending in said second direction.
 - 16. A structure comprising:
 - a substrate comprising a front-side surface and a back-side surface;

- a wafer support coupled to said front-side surface, said wafer support comprising an exterior surface;
- a first scribe line coupled to said front-side surface; and
- a first back-side alignment mark extending from said exterior surface of said wafer support to said back-side surface of said substrate, said first back-side alignment mark being formed along said first scribe line.
- 10 17. The structure of Claim 16 wherein said wafer support is adhesively attached to said front-side surface of said substrate.
 - 18. The structure of Claim 17 wherein said wafer support comprises an adhesive interior surface coupled to said front-side surface of said substrate.
 - 19. The structure of Claim 16 wherein said wafer support comprises a tape.
 - 20. The structure of Claim 16 wherein said wafer support is sufficiently transparent to allow said first scribe line to be recognized through said wafer support.
- 25 21. The structure of Claim 16 wherein said wafer support is ultraviolet radiation curable.
 - 22. The structure of Claim 16 wherein said substrate comprises an electronic component delineated by 0 said first scribe line, said electronic component comprising an active area on said front-side surface of said substrate, said wafer support comprising a cavity aligned above said active area.
- 35 23. A wafer comprising:
 - a first surface:
 - a second surface;
 - a scribe grid coupled to said first surface;

a plurality of alignment marks extending from said first surface to said second surface, said plurality of alignment marks having a positional relationship to said scribe grid.

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24. The wafer of Claim 23 wherein said scribe grid comprises a horizontal scribe line, a first set of said plurality of alignment marks being aligned with said horizontal scribe line.

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25. The wafer of Claim 24 wherein said scribe grid comprises a vertical scribe line, a second set of said plurality of alignment marks being aligned with said vertical scribe line.

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26. A structure comprising:

a substrate comprising a first surface and a second surface;

a scribe line coupled to said first surface;

means for supporting said substrate coupled to said first surface;

means for determining a position of said scribe line from said second surface of said substrate.

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- 27. The structure of Claim 26 wherein said means for supporting comprises means for adhesively coupling said means for supporting to said first surface of said substrate.
- 30 28. The structure of Claim 26 wherein said means for determining extends through said substrate from said first surface to said second surface.
- 29. The structure of Claim 28 wherein said means 35 for determining extends through said means for supporting.